



PHARMA DEVILS

QUALITY CONTROL DEPARTMENT

ANALYTICAL SPECIFICATION FOR SODIUM CITRATE IP

Manufacturer Name :		Supplier Name:
Manufacturer's Batch No.:		Manufacturer's Batch Size:
Manufacturing Date:		Expiry Date:
Quantity Received:		Test Quantity:
Document No.:	Effective Date:	Change Control No.:
Control No./ A.R. No.:		Retest Date:

Reference: IP 1996 Page No. 689

Description: White granular crystals or white, crystalline powder; odourless or with a faint doour, slight deliquescent in moist air, free from foreign particles.
Complies/Does Not Comply

Solubility: Freely soluble in Water (1 in 10), practically insoluble in Ethanol (95%) and in Ether(1 in More than 10000).
Complies/Does Not Comply

SNo.	Test	Reference	Result	Specification	Remark
1.	Identification A. Reaction of Sodium salts	IP		A) (a) A dense white Precipitate is formed. (b) A yellow Crystalline precipitate is formed	
2.	Identification (continued) B. Reaction of Citrates			B) (a) white precipitate soluble in 6M Acetic Acid is produced.	
3.	Acidity or alkalinity	IP		Not more than 0.5 ml of 0.05M Sulphuric Acid or Not more than 0.2 ml of 0.1M sodium Hydroxide is required to change the colour of solution.	



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SNo.	Test	Reference	Result	Specification	Remark
4.	Clarity and Colour of Solution.	IP		Solution A is clear and colourless.	
5.	Arsenic	IP		Not more than 2 ppm	
6.	Heavy Metals	IP		Not more than 10 ppm.	
7.	Chloride	IP		Not more than 100 ppm.	
8.	Oxalate	IP		Not more than 300 ppm, calculated as anhydrous Oxalic Acid.	
9.	Sulphate	IP		Not more than 150 ppm.	
10.	Tartrate	IP		No crystalline precipitate is formed.	
11.	Readily carbonisable substances	IP		The solution is not more intensely coloured than reference solution YS2 or GYS2.	
12.	Water	IP		Between 11.0 and 13.0 % w/w	
13.	Assay as $C_6H_5Na_3O_7$, (On anhydrous Basis)	IP		Not Less Than 99.0 % and Not More Than 101.0%	

Raw Data Reference :

Analyst Name:

Analyst Name:

Analyst Name:

Analyst Hard Book No.:

Page No.:

Analyst Hard Book No.:

Page No.:

Analyst Hard Book No.:

Page No.:

Results: Sample Conforms / Does Not Conform to Specification

Analyzed By : _____

Date : _____

Checked By : _____

Date : _____

Approved By : _____

Date : _____